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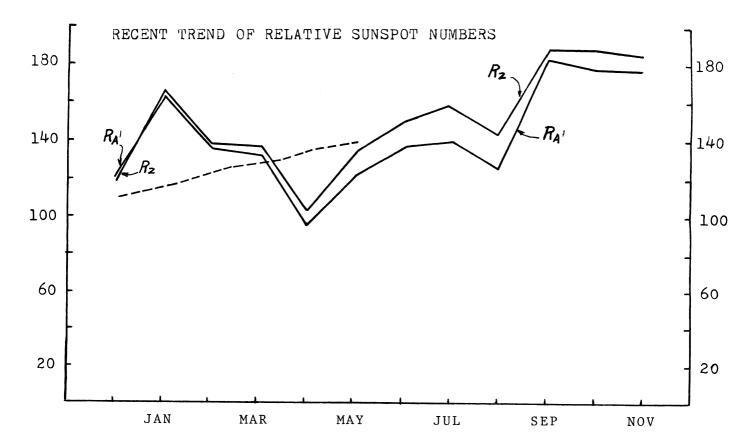
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SOLAR ACTIVITY DURING NOVEMBER

Sunspot activity continued at a high level for a third month. The November monthly mean was 176.5, down slightly from 178.2 in October and 184.0 in September. These high means brought the 12-month smoothed mean up to 139.3 in May.

Ionospheric disturbances continued to occur frequently. A triple event of high intensity is shown in the three charts at the bottom of page two. Above the is a chart showing fourteen events on the fourteenth. This interesting chart is unfortunately marred by the response of the receiver to changes in the type of transmission on 34.5 kHz. Above this are two recordings in which the inverted response of the upper chart recording 73.6 kHz is an almost exact reversal of the chart beneath it. The top chart records 27 kHz atmospheric noise in the southern hemisphere. It shows three ionospheric disturbances recorded as sudden enhancements of atmospheric noise (SEA).



AMERICAN (R _A ') AND ZURICH (R ₂) RELATIVE SUNSPOT NÜMBERS FOR NOVEMBER 1979	
Day R _A R _Z 1 188 224 2 164 157 3 157 155 4 165 172 5 194 166	2000 1500 1500 1500 1500 1500 1500 1500
5 194 166 6 241 210 7 259 254 8 275 280 9 293 279 10 292 302	8 A-43, Hobert, Tasmania recording 27 kHz Atmospheric Noise
11 254 295 12 210 248 13 195 183 14 206 218 15 177 186	5 November 1979
16 175 166 17 209 253 18 194 172 19 168 174 20 143 153 21 114 131	
22 121 123 23 129 142 24 137 162 25 124 155 26 135 141	A-19, Latrobe, Pennsylvania recording 73.6 kHz, Nova Scotia, Canada 11 November 1979
27 114 115 28 78 119 29 80 98 30 105 116 Mean 176.5 185.0	A-48, Thornwood, New York recording 21.4 kHz, Annapolis, Maryland 11November 1979
	A-19, Latrobe, Pennsylvania recording 34.5 kHz, Silver Creek, Nebraska 14 November 1979
CONTROL SOPPONING SUPPLIES FROM CONTROL SOPPONING SUPPLIES FRO	
	A-48, Thornwood, new York recording 21.4 kHz, Annapolis, Maryland 4 November 1979
	A-19, Latrobe, Pennsylvania recording 34.5 kHz, Silver Creek, Nebraska 4 November 1979
Ponte South Common Ton	A-5, Mahwah, New Jersey recording 37.2 kHz, Haves, California
	4 November 1979